



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 9]

नई दिल्ली, शनिवार, फरवरी 28, 1970 (फाल्गुन 9, 1891)

No. 9]

NEW DELHI, SATURDAY, FEBRUARY 28, 1970 (PHALGUNA 9, 1891)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह प्रलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate collation)

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित प्रविष्टिनामों और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

Patents and Designs

Calcutta, the 28th February 1970

Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

7th February 1970

- 125178. Ciba Limited. New amines and processes for their manufacture.
- 125179 Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. A piston for a direct injection diesel engine.
- 125180. Swiss Aluminium Ltd. Method and apparatus for producing carbonaceous bodies.
- 125181. Merck & Co., Inc. Fluorophenyl phenol derivatives and process for their preparation. [Divisional date 6th August 1968].
- 125182. Standard Telephones and Cables Limited. Cable joint sealing (12th March 1969). [Addition to No. 102260].
- 125183. Ciba Limited. New thiopyranes and processes for their manufacture.
- 125184. Indian Institute of Technology and N. B. Ray. Some methods of lifting liquid with remote-drive.
- 125185. Indian Institute of Technology. Prof. S. K. Bhattacharyya, Dr. D. K. Nandi and A. K. Bhattacharyya. Production of diacetone alcohol by catalytic conversion of acetone.
- 125186. Toyo Engineering Corporation and Mitsui Toatsu Chemicals Inc. Process for removing carbon dioxide in a combined system for producing ammonia and urea.

- 125187. M. D. Allison. Safety orifice for a container closure and method of assembly.
- 125188. Farbenfabriken Bayer Aktiengesellschaft. Process for the production of enoethers and thioenoethers. [Divisional date 11th July 1968].
- 125189. Portec (U.K.) Limited—formerly The P & M Co. (England) Limited. Improvements in or relating to lubricating apparatus for railway tracks. (11th February 1969).
- 125190. The Board of the Rubber Research Institute of Malaya. Stimulation of rubber yield in *hevea brasiliensis*. (18th February 1969).
- 125191. Y. M. Nakra. A rotomatic code-decode fault analyzer.
- 125192. P. M. Deshpande. R. C. C. beam mould.

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- 125193. Mrs. Khimmi Shaam. Tiffin box with heating device.
- 125194. Westinghouse Electric Corporation. Improvements in or relating to electric power transmission system including pressurized pipe having central conductor and providing an expansion joint and gas-barrier construction.
- 125195. RCA Corporation. Amplifier circuits.
- 125196. Nippon Kokan Kabushiki Kaisha. Method of manufacturing non-aging low carbon steel.
- 125197. E. Scheubeck. Electric control arrangement for motor drive systems of tap changers for regulating transformers.
- 125198. Vsesojuzny nauchno-issledovatel'skiy institut legkogo i tekstil'nogo mashinostroenia VNIILTEKMASH. Improvements in or relating to a device for laying weft thread in shed in looms.
- 125199. Guenther Systems, Inc. Transport device.

125200. R. R. Pardasani. Device for expanding plastic bags or like.
125201. R. R. Pardasani. Improvement in or relating to processing and packing of collapsible plastic bags or like.
125202. S. K. Fadnavis. Vote counting machine.
125203. United States Atomic Energy Commission. Analytical photometer with means for measuring, holding and transferring discrete liquid volumes and method of use thereof.
125204. The Dunlop Company Limited. Treatment of plastics materials. (19th February 1969).
125205. Aktiebolaget Bofors. Non-magnetic barrel steel.
125206. American Home Products Corporation. 13-poly-carbonalkyl-18-norpregnenes.
125207. Uniroyal, Ltd. Furan-3-carboxamide derivatives and method of preparing same.
125208. Ciba Limited. Acylated ureas, a process for their preparation and preparations containing them.
125209. Sandvikens Jernverks Aktiebolag. Improvements in or relating to the machining of steel or the like. (1st January 1970).
125210. Fujisawa Pharmaceutical Co., Ltd. A new antibiotic. (24th December 1969).
125211. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. N-[4-(β-< 2-methoxy-5-chlorobenzamido >-ethyl)-benzene-sulfonyl]-n'-cyclopentyl-urea and process for its manufacture.
125212. Regina Glass Fibre Limited. Improved method and apparatus for the continuous production of a web or mat of staple fibres. (18th February 1969).
125213. Pilkington Brothers Limited. Improvements in or relating to the toughening of glass. (24th June 1969).
125214. Dr. A. Wander S. A. Improvements in or relating to organic compounds.
125215. N. V. Philips Gloeilampenfabrieken. Substrate consisting of a non-magnetic, dielectric, ceramic material and destined for an integrated microwave system having a hybrid structure, and a method of manufacturing such a substrate.
125216. N. V. Philips Gloeilampenfabrieken. Biologically active benzthiadiazoles, methods of preparing said compounds, preparations which contain the said compounds as active ingredients and use of these compositions on agriculture and horticulture.
125217. N. V. Philips Gloeilampenfabrieken. Flash bulb.
125218. N. V. Philips Gloeilampenfabrieken. Semiconductor device and method of manufacturing said device.
125219. P. K. Kocharekar. Improvements in or relating to cameras.
125220. The Century Spg. & Mfg. Co. Ltd. High tenacity viscose staple yarn and fibres, progress of manufacturing same and fabrics containing such fibres.
125221. The Standard Batteries Limited. Improvements in or relating to battery operated trucks, tractors or like vehicles.
- 11th February 1970
125222. Council of Scientific and Industrial Research. An improved process for the production of pure sodium fluoride.
125223. P. S. Naidu. Three dimensional pantograph engraver and profiler.
125224. Marcona Corporation. Method and apparatus for the storage and pulping of mineral ores and comparable particulate matter.
125225. RCA Corporation. Automatic gain control systems.
125226. Danfoss A/S. Single-phase asynchronous motor.
125227. Danfoss A/S. Control system for an alternating-current motor.
125228. Danfoss A/S. Speed and voltage control means for an alternating-current motor particularly a poly-phase induction motor.
125229. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the dyeing of textile materials of high molecular polyester fibres.
125230. SERPO, personenvennootschap met deperkte aansprakelijkheid. Continuous process for obtaining products in compressed or distorted polyurethane plastic foam and device for applying said process.
125231. N. Modi. Bobbins for spinning machines.
125232. Joseph Lucas (Industries) Limited. Electrical switches. (18th February 1969).
125233. Joseph Lucas (Industries) Limited. Electrical switches. (18th February 1969).
125234. Joseph Lucas (Industries) Limited. Lamp failure warning systems for road vehicles. (18th February 1969).
125235. Dorr-Oliver Incorporated. Heat exchange of the tube bundle type.
125236. T. Murai. A motorcar number plate.
125237. North American Rockwell Corporation. Improvements in forging apparatus.
125238. Burmah-Shell Oil Storage & Distributing Co. of India Limited. Mixing and dispensing mixed liquids. [Addition to No. 123623].
125239. Imperial Chemical Industries Limited. Process for the production of a highly polymeric polyester and the products so obtained. [Divisional date 24th September 1968].
125240. Imperial Chemical Industries Limited. Debromination of brine. (13th February 1969).
125241. Ciba Limited. New thiopyranes and processes for their manufacture.
125242. Curlator Corporation. Pneumatic fiber conveying system. (23rd December 1969).
125243. Morgardshammar Ab. Improvements in a roller guide.
125244. Merck & Co., Inc. Pyrazinamides, intermediate pyrazinovloxya-crylamides and process for their preparation. [Addition to No. 117457].
- 12th February 1970
125245. M. Gopal, R. S. Bansal and N. K. Johri. Safety horn relay.
125246. Ruti Machinery Works Ltd. Reed tooth arrangement.
125247. S. N. Gupta. An improved apparatus for manufacturing glass bangles.
125248. N. K. S. D. Pillay. Assembly tray.
125249. Arthur G. Mc Kee & Company. Supporting apparatus for vessels.
125250. Joseph Lucas (Industries) Limited. Instruments for road vehicles. (18th February 1969).
125251. Joseph Lucas (Industries) Limited. Electrical switches. (18th February 1969).
125252. Pfizer Corporation. Substituted hexahydroimidazoquinolines. (19th February 1969).
125253. Farbenfabriken Bayer Aktiengesellschaft. Heterocyclically substituted thiadiazole derivatives, process for their preparation, and their use as herbicides.
125254. The Dunlop Company Limited. Polyurethane foams. (22nd February 1969).
125255. Uniroyal, Inc. Use of furan-3-carboxamide derivatives.

125256. Sandoz Ltd. Improvements in or relating to organic compounds. (14th February 1969).
125257. Beecham Group Limited. Preparation of penicillanic acids. (13th February 1969).
125258. Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of acetylene.
125259. American Optical Corporation. Refraction measuring apparatus.
125260. American Optical Corporation. Disposable cuvettes for colorimetry.
125261. National Distillers and Chemical Corporation. Improved alcohol catalyst and process.

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125262. H. B. Shah. Indicator for liquid gas cylinder.
125263. M/s. Galaxy Electronic Corporation. Shortwave converting device.
125264. Hindustan Lever Limited. Soap-nonsoap detergent tablets. (20th February 1969).
125265. Union Carbide Corporation. Multiple element aerosol dispenser.
125266. The Goodyear Tire & Rubber Company. Improvements in adhesive composition.
125267. The British Oxygen Company Limited. Arc welding.
125268. Imperial Chemical Industries Limited. Alkanolamine derivatives.
125269. The Broken Hill Proprietary Company Limited. Apparatus for determination of oxygen in molten metals and method of making same. (19th February 1969).
125270. Otis Elevator Company. Elevator control system.
125271. Sherritt Gordon Mines Limited. Process for treating low-iron nickeliferous ores. (3rd March 1969).
125272. Nippon Kokan Kabushiki Kaisha. Control system of the content of a fluid contained in a fluid mixture.
125273. American Cyanamid Company. Composition having novel substituted guanidines. [Divisional date 26th August 1968].
125274. Gibbsite Corporation of America. Process of separating alumina from siliceous material.
125275. Ciba Limited. Quaternary ammonium compounds, their manufacture and use as antimicrobial agents.
125276. International Standard Electric Corporation. Electroplating. (26th February 1969).
125277. Pilkington Brothers Limited. Improvements in or relating to tongs for suspending glass sheets. (14th February 1969).
125278. Polymer Corporation Limited. Stabilized polymer compositions.
125279. Polymer Corporation Limited. Polymers of butadiene.
125280. Sandoz Ltd. Azo compounds of low solubility in water, their production and use.
125281. Sandoz Ltd. Azo compounds of low solubility in water, their production and use.
125282. Standard Telephones and Cables Limited. Cable joint sealing. (17th April 1969).
125283. Ciba Limited. New amines and processes for their manufacture.
125284. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Fibers, filaments and sheets from polyesters containing paraffin sulfonates.
125285. Tatabányai Szechenyik. Travelling face equipment for filled workings.
125286. Peysha Industrial Company Ltd. Crimped tagger topsets for 2 kilogram and 4 kilogram vanaspati containers.

Alteration of Date

123056. Ante-dated to 24th April 1968 under Section 5 of the Act.
124955. Ante-dated to 6th August 1968 under Section 5 of the Act.
116458. The claim to priority date 27th June 1967 has been disallowed and the application dated as of 21st June 1968, the date of filing in India.
118663. The Claim to priority date 27th November 1967 has been abandoned and the application dated as of 20th November 1968, the date of filing in India.

Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

115564. Sandoz Ltd. 4-aminoquinazolines, process for the production thereof and fungicidal or acaricidal/ovicidal composition containing the same. (25th April 1967). Accepted on 24th January 1970.

Comprises reacting a 4-chloroquinazoline with an amine.

115587. Imperial Chemical Industries Limited. Process for the production of cellular articles. (3rd May 1967). Accepted on 24th January 1970.

Process for the production of articles having a cellular core and an unfoamed surface skin comprising injecting a predetermined amount of an thermoplastic resin into a mould, cavity and subsequently injecting a thermoplastic resin composition containing a blowing agent at or above the activation temperature of the blowing agent into mould cavity for sufficient time to allow the foamable composition to foam and thermoplastic materials to set.

115639. Magyarovari Timfold-es Mukorundgyar. A process for reducing the porosity and/or discolouration of a substance smelted in an arc furnace from a melt containing aluminium oxide. Accepted on 29th January 1970.

In which an additive intended to mix with the melt and to act for 10 to 120 minutes, and appropriately consisting of compounds of cadmium, lead, antimony and zinc and/or their mixtures these compounds containing oxygen is added in a quantity of 0.5 to 44% by weight of the melt containing aluminium oxide.

115713. Industrial Links (P) Limited. An article of furniture. Accepted on 2nd February 1970.

Comprising a plurality of tubular elements joined one to other by a plug and flexible sleeve.

115726. Control Systems Corporation. Apparatus for high frequency treatment of materials. Accepted on 3rd February 1970.

Comprising means for generating separate series of spaced bursts of high frequency energy, means utilizing the former to produce respective fields of pulsed energy, means for subjecting substance to said fields of energy, and means for adjusting relative timing and duration of bursts of energy in said fields.

115729. Leningradsky metallichesky zavod imeni XXII siezda KPSS. Method of welding up defects in castings and forgings made of heat-resisting steels. Accepted on 3rd February 1970.

Characterized in that in the course of welding an austenitic nickel base electrodes on nickel basis is employed.

115769. Y. S. Barve. An improved device for obtaining continuous flow of hot water. Accepted on 7th February 1970.

Comprising a non-metallic container with water inlet and outlet spouts, two closely spaced carbon discs respectively connected to two terminals of electric supply, and covering entire cross sectional area of the container, each discs having a hole at diametrically opposite side so that slowly moving water remains between the discs to be heated.

115770. Y. S. Barve. An improved device for effecting economy in fuel in internal combustion engines. Accepted on 7th February 1970.

Comprising a container divided into two chambers by interposing resilient diaphragm therein one of chambers having a spring therein and the other one having a shaft fitted to the diaphragm and having a ball at its end engageable or disengageable in an inlet opening, this chamber also having an outlet opening.

115780. Vereinigte Deutsche Metallwerke A. G. Metal discs such as coins for use particularly in coin-operated vending machines. Accepted on 7th February 1970.

Consists of one or more layers respectively of a non-magnetizable copper nickel alloy with 5 to 60% nickel and one layer or more layers of nickel.

115783. Girling Limited. Means for controlling acceleration or deceleration of a wheel. (23rd May 1967). Accepted on 6th February 1970.

Comprising a generator, means for producing an electrical signal, a d.c. control circuit, means to release the brake or to prevent transmission of driving power to the wheel, a d.c. source and a relay network.

115788. N. M. Chauhan. Improvements in or relating to cam. Accepted on 7th February 1970.

Comprises a main body portion and at least two land portions at least one of land portions being removably attached to body portion.

115789. N. M. Chauhan. Device for handling discrete laminar articles. Accepted on 5th February 1970.

Characterised in that moved article becomes a support for the next succeeding article received at receiving station, a pair of transferring elements spaced apart by a distance substantially equal to the length of a predetermined numbers of articles.

115806. F. Steffenini. A yarn supporting member. Accepted on 6th February 1970.

Comprises an external wall and an internal hub, said wall being carried by said hub through projections or a material filling the gap between said hub and external wall.

115807. F. Steffenini. A yarn supporting body member having a centering element. Accepted on 5th February 1970.

Comprises a first portion securable to or fast with the internal surface of the body member and at least a second position suitable to abut a spindle, said two portions being inter-connected through at least one flexible arm integral to said portions.

115824. Cherepovetsky Ordena Lenina Metallurgicheskyy zavod. Arrangement to supply steam or inert gas into the inter-bell space of blast-furnace charging equipment. Accepted on 5th February 1970.

The pipes being arranged in the same direction downwardly and tangentially with respect to the small bell of said charging equipment.

115825. Scientific Adviser to the Defence Minister, Ministry of Defence, Government of India, New Delhi, India. Process for the preparation of quinoxyl resins and quinoxyl resins so prepared. Accepted on 5th February 1970.

Characterises in reacting 0.5 to 3 moles of hydroquinone, 0.5 to 6 moles of epichlorhydrin in the presence of 1 mole to 8 moles of aqueous sodium hydroxide, washing with water or other suitable solvent to remove the NaOH and NaCl from the resin thus obtained.

115839. W. C. Smackey. A new economical, solar charged, bi-metal, electric lighting device for huts. Accepted on 10th February 1970.

Comprising of two separate electrically dissimilar metal plates adapted for exposure to sun light, said plates being connected to respective terminals of a small storage battery.

116088. The Cincinnati Milling Machine Co. Copper-clad plastic panels. Accepted on 12th February 1970.

Comprising a copper-clad plastic panel comprising a copper sheet having plastic base molded thereto, comprises a polymeric reaction product of methylmethacrylate in an amount less than 50%, unsaturated polyester in an amount greater than 50% and an organic epoxide in amount less than 50% and having at least one epoxy group.

116132. Shell Internationale Research Maatschappij N. V. A method for treating the seeds of cereals in order to increase the yield thereof by contacting the seeds with 3-methyl-5- (1-hydroxy-4-oxo-2, 6, 6-trimethyl-2-cyclohexen-1-yl)-2, 4-pentadienoic acid or derivatives therefrom. Accepted on 5th February 1970.

Comprises treating seeds of cereals with 3-methyl-5- (1-hydroxy-4-oxo-2, 6, 6-trimethyl-2-cyclohexen-1-yl)-2, 4-pentadienoic acid or derivative therefor.

116203. Square Tube Systems Limited. Connection piece for assembling tubular members. (24th June 1967). Accepted on 12th February 1970.

Comprising a central body with three arms, each rigidly secured within a tubular member, with interposition of a sleeve between such arm.

116333. Kurashiki Rayon Co. Ltd. Process for the preparation of deaerated viscous aqueous solution of polyvinyl alcohol. Accepted on 5th February 1970.

By heating a viscous aqueous solution of polyvinyl alcohol in an air-tight container and then by causing flashing of the solution by rapidly reducing the pressure inside the container.

117338. Uniroyal Englebert France. Apparatus for shaping a carcass of a radial ply tire. Accepted on 6th February 1970.

Comprising Co axial ring assemblies, endless elastically deformable member, means movable, carcass, bend region.

116458. J. Diver. Detection apparatus. Accepted on 5th February 1970.

- Pivoted magnetic member on needle arranged to normally lie in a particular position due to earth's or other magnetic field in relation to sensing means responsive to deflecting movement of the pivoted member or needle due to the proximity of another magnetic field on body of magnetic material.*
116481. Gevaert-Agra N. V. Preparation of moulding material containing polyethylene terephthalate. (29th June 1967). Accepted on 7th February 1970.
- Characterizes by mixing polyethylene terephthalate with an amount of 1 to 10% by weights of polymer taken from the group, polyester, a fusible homopolymer of α - β unsaturated organic compound containing ester group and a fusible copolymer of at least two α - β ethylenically unsaturated organic compounds.*
116766. Sandoz Ltd. Mass coloured polymeric compositions and process for preparing the same. Accepted on 5th February 1970.
- Comprises melt blending (A) fusible polymer (B) at least an effective amount of solvent soluble dye and (C) from 2 to 20 parts by weight of N-vinyl-2-pyrrolidone per part by weight of the dye.*
116911. The Larutan Corporation. Soil treatment composition. Accepted on 22nd January 1970.
- Comprising an aqueous solution containing a fermenting agent, sucrose, a wetting agent and an antibiotic.*
116977. B. Barthakur. Overhead dumping platform for re-loading of solid materials to carriers. Accepted on 29th January 1970.
- Triangular shaped storage bin constructed at a height from the ground level on a number of vertical posts fixed to the ground, the bottom of the bin is at an inclined plane to the horizontal and is fitted with two side walls, the upper edges of which are horizontal and parallel to one another.*
117226. Teijin Limited. Process and apparatus for drying polyester particles. Accepted on 6th February 1970.
- Consisting in the first step of heating and crystalline non-crystalline polyester particles at 120–200°C with mechanical agitation, and immediately succeeding step of heating and drying the particles maintained under packed state but without agitation.*
117236. National Distillers and Chemical Corporation. Process for the polymerization of conjugated diolefinic hydrocarbon. Accepted on 12th February 1970.
- Process for preparing a polymer of a conjugated diolefinic hydrocarbon in the presence of an inert aliphatic hydrocarbon solvent, a dihydroaromatic hydrocarbon molecular weight modifier and an alfin catalyst, the improvement being made in carrying out the said polymerization in the presence of a branched chain aliphatic or cycloaliphatic hydrocarbon or a mixture thereof.*
117287. H. J. Woock. Hard-facing matrix composition and method of preparing same. Accepted on 7th February 1970.
- Alloy containing 1 to 8% cobalt, 15 to 30% ferrochromium, 1 to 8% ferromanganese, 0 to 5% ferromolybdenum, 0 to 3% ferroboration, 6 to 15% ferrosilicon, 0 to 3% copper and balance nickel.*
117301. R. T. Ranade. Transistorized transmission gate. Accepted on 5th February 1970.
- Comprising two flip-flops a coincidence circuit having input from each of the two flip-flops.*
117357. Union Carbide Corporation. Method and apparatus for localizing overload failure in alkali metal conductors. Accepted on 12th February 1970.
- Includes a thermal insulating means surrounding preselected segment to substantially reduce the dissipation of resistive heat therefrom.*
117373. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Thermoplastic moulding compositions. Accepted on 12th February 1970.
- Consisting a mixture of (a) a linear saturated polyester and optionally an aliphatic dicarboxylic acid with a saturated aliphatic diol, (b) a copolymer of an ester of acrylic, methacrylic or esthacrylic acid and an aliphatic alcohol, (c) an ionic copolymer of an α -olefin.*
117380. C. S. Rao. Improvements in or relating to demountable boxes or crates. Accepted on 5th February 1970.
- Wherein the base and the top having flat or angle iron or steel tube pieces as the fourised framework and having holes of determined diameter provided near the four corners, the open space within the framework, being covered with wire mesh and the four vertical sides also being fabricated in the same manner, but without a hole at corners and provided with hinge type sockets on the vertical edges at alternative places.*
117394. Compagnie Des Ateliers Et Forges De La Loire. Device for forging crankshafts and the like. Accepted on 6th February 1970.
- Characterized in that the central tool provided for off-setting the crankpin is not fixed but movable to the axis of the device which is merged with the shaft line of the forged crank shaft during the forging operation and the centre line of the initial blank, and that said axis is disposed vertically and that the parting line of said dies is parallel to or merged in the plane formed by said axis of the device and the off-setting direction i.e. the plane formed by the shaft line of the crank shaft and the centre line of the crankpin of the throw to be forged.*
117502. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to semiconductor device, and a circuit arrangement comprising such device. Accepted on 7th February 1970.
- Characterised in that a first metal layer is provided which extends on the insulating layer above the first and the second regions and second metal layer is provided which extends on the insulating layer at least above the first region.*
117552. General Electric Company. Gaseous multivapour arc discharge lamp. Accepted on 7th February 1970.
- Characterized by a vaporizable light producing charge within envelope, which includes a halide other than the fluoride of at least sodium metal sufficient upon partial vaporization thereof at the equilibrium operating temperature of the lamp to provide a partial pressure of each vaporized metallic halide of from 0.1 to 200 torr and a quantity of an inorganic halide, other than the fluoride, of a polyvalent metal other than the alkali metals, the alkaline earth metals the rare earth metals and the transition metals.*
117598. N. V. Philips Gloeilampenfabrieken. Circuit arrangement for igniting and supplying a gas and/or vapour discharge tube. Accepted on 12th February 1970.
- Characterised in that the semiconductor assembly consists of that controlled semiconductor rectifier being connected to a control circuit, the control circuit being provided with time-delaying elements.*
117612. Edeleanu Gesellschaft mbH. Method for the production of granular urea adducts. (18th December 1967). Accepted on 5th February 1970.
- Comprises increasing the temperature of the mixture by injecting a vapour the heat of condensation of which is effective to increase the temperature.*

117695. Mather & Platt Limited. Improvements in or relating to apparatus for the liquid treatment of web material. Accepted on 9th February 1970.

Comprises a tank, one or more position stationary rotatable rollers and at least two buoyant rotatable drums floatingly disposed within the tank.

117762. V. G. Gokhale. Improvements in or relating to light weight space-truss girders and composite girders thereof. Accepted on 12th February 1970.

Comprises a series of cross members diagonal with three longitudinal chords, and two lower longitudinal chords joined by the cross members bent to form bow members

117861. Parks-Cramer Company. Textile yarn spinning and twisting machines. Accepted on 5th February 1970.

Comprising detector means for sensing the ends of yarns and operable in response to ends down thereon for signalling the presence, discriminator means connected to the detector means and annunciator means connected to the detector means.

117889. Combustion Engineering, Inc. Device for flame surveillance. Accepted on 6th February 1970.

Comprising at least a first and second electrode spaced from each other, the first electrode connected to a A.C. source, a translator circuit connected to second electrode, a flame adapted to be disposed between the electrodes, a flame observation and alarm device connected to the output of the translator.

117907. Hercules Incorporated. Process of preparing resinous products. Accepted on 7th February 1970.

Process for preparing resinous products which comprises (A) preparing an admixture comprised of a material consisting of a aminoalcohols; a primary amine and a diamine and a material consisting of maleopimaric acid, its lower alkyl ester or mixtures thereof, fumaropimaric acid, its lower alkyl ester or mixtures thereof (B) heating the mixture at a temperature of 200°C or above and (C) recovering the resinous products by known methods.

117956. Glanzstoff A. G. Method of impregnating bonded unwoven fibrous structures. (26th July 1968). Accepted on 6th February 1970.

The unwoven structure is again passed through the polymer solution or dispersion contained in a bath immediately below the pressing point of the rollers.

118262. Universal Oil Products Company. Hydrocarbon separation process. Accepted on 7th February 1970.

Process for separating a hydrotreated effluent comprising butanes and hydrocarbons normally liquid at standard temperature and pressure to provide at least one fraction having a predetermined boiling point by fractionation.

118367. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Thermoplastic moulding compositions. Accepted on 7th February 1970.

Thermoplastic moulding compositions consisting of from 90 to 30 parts by weight of crystalline polypropylene, from 10 to 70 parts by weight of asbestos and from 0.5 to 5% by weight, calculated on the total composition, of a stabilizer combination comprising (a) a phenolic antioxidant (b) an organic sulphur compound (c) a condensation product of 4,4'-thio-bis-(3-methyl-6-tert butyl-phenol) and PCL, and if desired, (d) calcium stearate or calcium oxide.

118505. Giddings & Lewis-Fraser Limited. A method of and device for uniting two yarns. (27th January 1968). Accepted on 9th February 1970.

Includes positioning means for placing and holding yarns, a rotatable bill for gripping a yarn to tie a weaver's knot and shears spaced from the bill for severing the yarn ends.

118608. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of new water-insoluble monoazo dyestuffs and textile materials treated therewith. Accepted on 11th February 1970.

2-cyano-4-nitroaniline is diazotized and the diazonium salt thus obtained is coupled with 3-acetoaminodiphenylamine.

118663. Joseph Lucas (Industries) Limited. Battery plate grids. Accepted on 7th February 1970.

Including the steps of placing a conducting battery plate lug having an extension integral therewith in a mould containing an impression of the battery plate grid, filling the remainder of the mould with particles of a synthetic resin material, heating the material without the application of pressure to cause the particles of resin material to adhere to one another.

118704. Badische Anilin & Soda-Fabrik Aktiengesellschaft. Triazine derivatives, process for their manufacture and herbicidal compositions containing the same. Accepted on 9th February 1970.

Reacting cyanuric chloride with amines NHR^1 and NHR^2 in presence of agents to bind HCl , R^1 being aliphatic, alkoxyalkyl, or alkylthioalkyl R^2 alkyl thioalkyl, alkoxyalkyl or chlorine radicals.

118774. E. I. Du Pont De Nemours and Company. Herbicidal compositions. (4th December 1967). Accepted on 9th February 1970.

A herbicidal composition comprising a mixture of 2-chloro-2', 6'-diethyl-N-methoxymethyl acetanilide with 3(3, 4-dichlorophenyl)-1-methoxy-1-methylurea or 3 (p-chlorophenyl)-1-methoxy-1-methylurea.

118884. Tecumseh Products Company. Improvements in compressor assemblies for mechanical refrigeration system. (24th September 1968). Accepted on 4th February 1970.

Having socket members located within housing of motorcompressor unit, bracket members telescopically engaged in the socket members, each socket and associated bracket members being crimped together interlockingly, and resilient means connecting each bracket member to the motor compressor unit.

119351. Pioneer Sports Works Pvt. Ltd. Equipment for playing ping-pong game. Accepted on 6th February 1970.

Comprising a frame in the form of an encircling band which extends above the pingpong table, a net over the table so that it intersects a part of frame and means for mounting the frame on the table.

119533. Council of Scientific and Industrial Research. An instrument to provide an easy, quick and accurate method for measuring outer tapers on shafts or the like. Accepted on 7th February 1970.

Wherein are provided a gear sector centred at the pivot of the pivoted rod, a rack meshing with the gear sector and a screw gauge the spindle of which moves the rack only longitudinally while the screw gauge head calibrated in degrees, minutes and second is rotated.

119728. Rhone-Poulenc S. A. Polyurethane block elastomers and their preparation. Accepted on 11th February 1970.

Process for the preparation of a block polyurethane elastomer which comprises reacting an excess of bis (4-isocyanatocyclohexyl) methane with a macrodiol α , ω dihydroxy polymers to produce an isocyanate terminated prepolymer and then coupling the chains of this prepolymer with 3, 3-bis (aminomethyl)-oxacyclobutane.

119805. Council of Scientific and Industrial Research. Improved thin film thickness monitor. Accepted on 7th February 1970.

Comprises a reference crystal oscillator and an identical sensor crystal oscillator, a transistor mixer connected to the output of reference oscillator and identical oscillator, a demodulator (D) connected to transistor mixer to demodulate the beat frequency signal and to filter out harmonic contents, followed by a pulse shaper to convert the beat frequency signal into rectangular pulse of constant amplitude a switching amplifier and a diode pump which feeds a direct current proportional to the beat frequency to a moving coil ammeter.

119838. Commissariat A L'Energie Atomique. Plugging device for extrusion container. [Addition to No. 100271]. Accepted on 7th February 1970.

Annular feed reservoir communicates through the plugging block with a compression chamber which is filled with lubricant and into which the rod of a piston is adopted to penetrate in leak tight manner.

119851. Tsentralny Nauchno-Issledovatel'skiy institut Chernoi Metallurgii Imeni I.—P. Bardina. Mould for casting ingots of rectangular cross section in the metal continuous casting process. Accepted on 7th February 1970.

Comprising walls of the mould, heat insulating partitions provided in the corners of the mould below the level of the molten metal to be poured, a coolant source, grooves communicating with the coolant source and disposed in the middle portion of the internal side of the walls below the molten metal.

119959. Compagnie Pechiney. Installation for firing carbon-containing product. Accepted on 11th February 1970.

Installation for the firing or baking of carbon-containing products which installation comprises a tunnel furnace comprising two zones and a cooling arrangement and which is characterised in that the said tunnel furnace is followed by a fluid-tight chamber comprising electric heating means releasing heat from the heart of the products to be fired.

120088. United Aircraft Corporation. A cathode device for producing an electron beam and an apparatus for generating an electron beam including said cathode device. Accepted on 4th February 1970.

Comprises, a segmented cathode structure having a substantially closed perimeter, each of the segments comprising a cathode element adapted to emit electrons therefrom towards a focal point, and connecting means for joining the cathode segments to each other in an abutting relationship.

120833. N. V. Philips Gloeilampenfabrieken. Method of preparing β -ionone. Accepted on 9th February 1970.

Method of preparing β -ionone in which pseudo-ionone is cyclized by means of sulphuric acid, characterized in that the cyclization is carried out in the presence of methyl chloride.

120947. The Metal Box Company of India Limited. Improvements in container closures. Accepted on 12th February 1970.

Characterised in that the lower free edge of the wall of the aperture is crimped with the free edge of the diaphragm.

121107. L. E. Landeborg, S. T. Henriksson and R. L. Muotka. Apparatus for catalytic conversion of exhaust gas. Accepted on 6th February 1970.

The flanges are disposed on the edge portion of the casing walls defining inlet and outlet openings and are adapted to be pressed against a sealing ring located partly between flanges and partly between one flange and edge portion.

121234. G. G. Patel. Improvements in or relating to a smoking device. Accepted on 2nd February 1970.

Comprising a holder, a flask, a communication pipe, a mouth piece provided on an intermediate body part characterised in that the outlet of the intermediate body part is located eccentrically in relation to the inlet of the body part and the inlet of the stem is not in direct communication with the hollow opening or inlet of the intermediate body part.

121408. B. J. Hegde. Improvements in or relating to a process for the manufacture of transparent or opaque solid glass beads. Accepted on 2nd February 1970.

Mixing together required size of glass particles of irregular shapes with a powdered carbonaceous material and heating the mixture at a temperature above the softening point of the glass.

121473. G. G. Patel. Improvements in or relating to burners for pressure stoves, blowlamps and like appliances. Accepted on 7th February 1970.

Comprises in combination (1) a burner body having a fuel inlet pipe, a vaporising chamber at the top end of the fuel inlet pipe a vapour pipe extending downward from vaporising chamber, (2) a jet or gas outlet nipple fitted on the burner body through which jet liquid fuel under pressure, having vaporising chamber and a mechanical pressing and flame controlling device.

121519. Sandoz Ltd. Process for the reductive cleavage of sulphonic acid groups from anthraquinone- β -sulphonic acids. Accepted on 11th February 1970.

Consists in the reductive electrochemical cleavage of sulphonic acid groups at the cathode of electrochemical elements.

121659. R. C. Venkatachalam. Improvement to Indian style flush out water closet pans. Accepted on 11th February 1970.

Having upper portion of the closet made of solid concave and curved shape slightly inclined inwardly, the top rim of the pan protruding an inch towards the inner side of the pan running down two inches.

121673. Shell Internationale Research Maatschappij N. V. A process for preparation of random copolymers of styrene and butadiene. Accepted on 6th February 1970.

Contacting styrene and butadiene with alkyl lithium as catalyst in presence of polyvinyl substituted aromatic hydrocarbon as branching agent and an inert hydrocarbon as solvent.

121679. Griffin S. A. Improvements in or relating to process for casting solid metal rolls. Accepted on 7th February 1970.

Comprising casting a hollow cylindrical blank, the outer diameter and length of which correspond to the outer diameter and length of the body of the roll to be made, while thickness of the blank corresponds to the thickness of the layer of metal forming the outer layer.

122021. Stamicarbon N. V. Process for the recovery of melamine from a synthesis gas mixture containing hot melamine vapour. Accepted on 9th February 1970.

Process for the recovery of melamine from a hot synthesis gas mixture containing hot melamine vapour comprising contacting the said gas mixture with urea melt to form a suspension of melamine in urea melt, recovering melamine therefrom and recovering gases substantially free from melamine.

122491. S. I. Goldis, Y. B. Kaganer, M. A. Lovyagin, D. D. Kanhaninov, I. N. Ovsov and V. N. Erfurt. A floating dock. Accepted on 11th February 1970.

Two angle braces are secured by their upper end portions in the unit of intersection of the spacer with the upright and by their lower end portions one angle brace to the rib and the other angle brace to the floor plate.

122704. E. Kozdal. Improvements in trouser garments. (12th August 1968). Accepted on 12th February 1970.

Including two leg portions united to form a crotch and joining with further leg portions in the normal front and rear longitudinal crease line areas to form a complete trouser, each of said first mentioned leg portions having a transversely extending flap portion including one element of a fastening means such that when the elements of the fastening means are united the flap portion overlies one another to provide a fly means for the garment.

122812. K. K. Chakko. An Improved device for threading needles. Accepted on 7th February 1970.

Comprises a housing to accommodate a needle and having two opposite slots and a movably mounted arm to pass through said slots.

123056. Imperial Chemical Industries Limited. Process for the production of cellular articles. (15th December 1967). [Divisional date 24th April 1968]. Accepted on 24th January 1970.

Process for the production of articles having a cellular core and an unfoamed surface skin comprising using a reciprocating screw type injection moulding machine.

124955. National Distillers and Chemical Corporation. Alfin catalysts. [Divisional date 6th August 1968]. Accepted on 6th February 1970.

Consists of alkenyl sodium, sodium alkoxide and aluminium distearate in an amount within the range from at least 1% to about 5% by weight of the sodium content of the catalyst.

Patents Sealed

97231. 104229. 104389. 108966. 110659. 111321. 111850.
112147. 112400. 112405. 112598. 112624. 113217. 113257.
113279. 113286. 113356. 113669. 113686. 113747. 113752.
113767. 113882. 114187. 114359. 114482. 114515. 114543.
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116149. 116211. 116261. 116263. 116329. 116554. 116734.
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118680. 118692. 118697. 118730. 118733. 118773. 118878.
119344. 119391. 119452. 119466. 119557. 120277.

Renewal Fees Paid

53946. 53967. 53968. 53991. 54132. 54168. 54169. 54199.
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104568. 104815. 104879. 105894. 106515. 106728. 108715.
109240. 109257. 109263. 109333. 111471. 111472.

Cessation of Patents

58715. 58719. 58726. 58727. 58732. 58734. 58735. 58736.
58737. 58744. 58749. 58754. 58756. 58761. 58763. 58765.
58770. 58771. 58782. 58785. 58788. 58789. 58793. 58794.
58799.

Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 136246. Nalinkant Ramniklal Dave, (an Indian National), Bajranj Niwas, Kotak Street No. 1, Near Sanganwar Chowk, Rajkot, (Gujarat), "Tricycle", July 26, 1969.

Class 1. No. 136325. Shriram Refrigeration Industries Limited, 1-Jhandewalan Estate, New Delhi-55, (An Indian Company), "A water cooler", August 18, 1969.

Class 1. No. 136348. Swadesi Type Foundry, an Indian Partnership Firm, No. 51, Guruvappa Chetty St., Chintadripet, Madras 2, South India, "Tamil printing types" August 27, 1969.

Class 1. No. 136355. Kayson Engineering Works, Industrial Area, Kapurthala, Punjab State, India, an Indian Partnership firm, "Hinges for fans", September 2, 1969.

Class 1. No. 136515. Technical Instruments Manufacturers (India) Private Limited, (A Company registered under Indian Companies Act), National House, 4, Tullock Road, Apollo Bunder, Bombay 1, (Maharashtra), "Name plate detail press", September 22, 1969.

Class 1. No. 136578. Paras Mechanical Industries, (an Indian Partnership firm), Shirin Mansion, Pydhonie, Bombay 3, (Maharashtra), "Burner", October 7, 1969.

Class 1. No. 136629. Swadeshi Type Foundry, an Indian Partnership Firm, No. 51, Guruvappa Chetty St. Chintadripet, Madras 2, South India, "Tamil printing types", October 27, 1969.

Class 1. No. 136657. Asrar Ahmad, trading as General Metal Works, Pul Kali Nadi, Bulandshahr, Uttar Pradesh, Indian National, "Hand pump", October 31, 1969.

Class 1. No. 136859. Rex Auto Products (India), 3060, Bahadur Garh Road, Delhi, Indian Partnership Concern, "Mirror", December 15, 1969.

Class 1. No. 136939. Shrikrishna Ramkrishna Salvi, Indian National, Raja Bahadur Mansion, 20, Hamam Street, Bombay-1, Maharashtra, India, "Hooks", December 26, 1969.

Class 3. Nos. 136284 and 136285. Badri Prasad Banka & Tara Chand Banka, 177A, Chittaranjan Avenue, Post Box No. 6725, Calcutta-7, (West Bengal), Nationality—Indians, "Cable clamps", August 6, 1969.

- Class 3. No. 136347. Swadesi Type Foundry, an Indian Partnership Firm, No. 51, Guruvappa Chetty St. Chintadripet, Madras-2, South India, "Tamil printing", types", August 27, 1969.
- Class 3. No. 136483. Shrikant Jain, Chandmal Simal Kanakraj Parekh and Chandrakant Jain, all Indian Nationals, trading as B. K. Plastic Industries, 33, Burtolla Street, Calcutta-7, State of West Bengal, India, "Tumbler", September 15, 1969.
- Class 3. No. 136526. American Home Products Corporation, a corporation organised under the laws of the State of Delaware, United States of America, having their registered office at 685 Third Avenue, New York, U.S.A., "Bottles", September 24, 1969.
- Class 3. No. 136544. Paramount Products, a registered Indian partnership firm carrying on business at Kakad Estate, Kolhadevi Road, Bombay-2, Maharashtra (India), "Containers", September 27, 1969.
- Class 3. No. 136611. Mohamedali Sherali Virjee, Indian National, trading as Vora Mfg. Co., 87 Tantanpura Street, Chinch Bunder, City of Bombay, State of Maharashtra, India, "Dispensing containers", October 21, 1969.
- Class 3. No. 136624. Vinmold Private Limited, Incorporated in India, King Edward Road (Cross Lane), Sewri, City of Bombay, State of Maharashtra, India, "Toys", October 27, 1969.
- Class 3. No. 136642. Vinmold Private Limited, Incorporated in India, King Edward Road (Cross Lane), Sewri, City of Bombay, State of Maharashtra, India, "Toys", October 29, 1969.
- Class 3. No. 136630. Swadeshi Type Foundry, an Indian Partnership Firm, No. 51, Guruvappa Chetty St. Chintadripet, Madras-2, South India, "Tamil printing types", October 27, 1969.
- Class 3. No. 136651. Vinmold Private Limited, Incorporated in India, King Edward Road (Cross Lane), Sewri City of Bombay, State of Maharashtra, India, "Toys", October 31, 1969.
- Class 3. No. 136754. The Calcutta Chemical Co., Ltd., an Indian Public Limited Joint Stock Company registered under the Indian Companies Act, 1913, 35, Panditji Road, Calcutta-29, West Bengal, "Containers", November 19, 1969.
- Class 3. No. 136755. Oosman Ahmed Rowther Mohamed Abubacker (2) O-man Ahmed Rowther Syed Moosa (3) Oosman Mohamed Abubacker Sahul Hameed (4) Oosman Syed Moosa Ameeruddin (5) Oosman Mohamed Abubacker Ahmed Lateef (6) Oosman Syed Moosa Abdul Rahman (7) Oosman Syed Moosa Abdul Kader and (8) Oosman Mohamed Abubacker Syed Ahmed, trading in partnership as Deluxe Plastics Products, 282 Thambu Chetty Street, Madras-1, India, all Indian Nationals, "Mouth organs", November 20, 1969.
- Class 3. No. 136786. Rajnikant Devidas Shroff, an Indian National of Excell Estate, Ghodbunder Road, Goregaon, City of Bombay, State of Maharashtra, India, "Inflatable seats", December 1, 1969.
- Class 4. No. 136277. Komal Manufacturing Chemists Ltd. (a public limited company organised under Indian Companies Act), Lentin Chambers, Dalal Street, Bombay-1, (Maharashtra), "Bottle", July 30, 1969.
- Class 4. No. 136334. Joseph Lucas (Industries) Limited Great King Street, Birmingham, England, a British Company, "Lens for a motor vehicle lamp", April 23, 1969. (U.K.).
- Class 4. No. 136640. Naini Glass Works, a firm registered under the Indian Partnership Act, 1932, at Naini (Allahabad), Uttar Pradesh, "Bottle", October 28, 1969.
- Class 4. No. 136742. Adduri Jagannadha Raju, C/o. A. R. Raju & Bros., Ramachandrapuram, East Godavari District, Andhra Pradesh, India, Indian National "Bottles", November 17, 1969.
- Class 8. Nos. 136851 to 136854. Kanshi Ram Amar Nath Private Ltd., a Company registered in India, 4-C, Vulcan Insurance Building, Veer Nariman Road, Bombay-1, State of Maharashtra, India, "Traveling rug", December 15, 1969.
- Class 9. No. 136772. Sovin Knit Works, Fategarh Road, Amritsar (Punjab), a registered partnership firm, Indian Nationality, "Textile goods", November 28, 1969.
- Class 10. No. 136597. Jayesh Plastics, an Indian partnership firm, 112 A-B, Kandivli Industrial Estate, Kandivli, City of Bombay, State of Maharashtra, India, "Footwear", October 13, 1969.
- Class 10. No. 136621. Mrs. Chandrabai Naraindas Chotirmall, Hareesh Naraindas Chotirmall and Bhagwan Naraindas Chotirmall, 501 Kalbadevi Road, Bombay 2, State of Maharashtra, India, In partnership in the firm name of "K.A.J. Chotirmall & Co.", registered under the Indian Partnership Act, 1932, all of them Indian nationals, Footwear", October 25, 1969.
- Class 13. Nos. 135975 and 135977. Shree Ram Mills Ltd., Fergusson Road, Lower Parel, Bombay 13, Maharashtra, Nationality-Indian Company, "Textile goods", June 20, 1969.
- Class 13. Nos. 136888 to 136890, 136892, and 136894 to 136920, Jyajeerao Cotton Mills Ltd., Indian Company, Birlanagar (Gwalior), "Textile goods", December 24, 1969.
- Class 13. Nos. 136950 and 136951. Calico Dyeing & Printing Mills (P) Ltd. Industrial Estates, 41E Parel Chawl Road, Lalbaug, Bombay-12, Nationality-Indian Business concern (Private Limited Company), "Textile goods including silk, and art-silk piece-goods", December 27, 1969.

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Design Nos. 123746, 124019, Class—3

Design No. 123387 Class—10.

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Design Nos. 129823, 134282, Class—1.

Design No. 105909 Class—5.

S. VEDARAMAN,
Controller General of Patents,
Designs and Trade Marks.

